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Figure 1. (SEQ ID NO: 1)

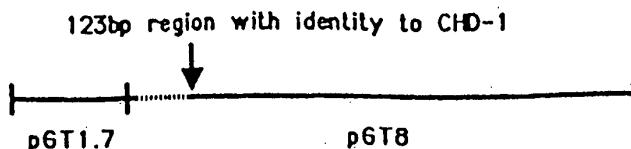
CCCGGTCGGAGGTTCAAGGAATGACTAGATGTGGCACTTAGTGCCATGGCTAGTTGAC	60
AAGGTGATGGTGGTCAAAAGTTGGACTCGATGATCTCAGAGTTTTTCCAGCCTTAAT	120
AATTCTATGAATTCTGTAATTATTCTTGATCTTTGAGCGAAGTTGTTGGGATT	180
TTAGTTGGTTCCCTGTCACTGTTTCTTCCTTGAAACTGACTTCATTGCAACATG	240
AGAATTGCTGTATTGTCAGGTTACAAGTAGTGCAATGGCTGCTAGAAGTAGTGAGAAA	300
CATTTAGGAAATACTGGAGTGAAAGCAAACACAGTGGTACTGCCAAACTGTAGCTTGGG	360
ATTTGAGGAGCCACAGAGTTGATATAAATTGTTAATGATATCCTGCCCTGCCCTCC	420
ATTAATTGCTGTTTATGAAACCACTCTTTTTTTTTTTGGCTCTTCA	480
TATCCTGTTAATGAGTTAATGCATTTAGAACATGGCAGAACACTAGGAGATCTGTGG	540
ATGACAGTGGTACAGGAGCTCTGAATTTTAGATAAAACTATGAGAGTGAAACAGAAAT	600
CTGAGGCTAGTTCTTGAGCTGACTGTAAATTGTGAGAATATTCAGACTACATTA	660
GTTGTGTGTTGAGGAAAAATAAAATGTTAAGTTGTCCATTCCCTGAAACCTCCGACC	720
GGG	723



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**Figure 2.**



**Figure 3.**

M	<i>CBD-1</i>	ATTCTCCAG	ATGATCCTGA	AAAAAAACCA	CAAGCAAAC	AGTTACAGAC	(SEQ ID NO: 2)
C	<i>CBD-1A</i>	ATTTTACCTG	ATGATCCAGA	CAAGAAACCC	CAGGCAAAGC	AGCTACAGAC	(SEQ ID NO: 3)
C	<i>CBD-W</i>	ATTTTACCTG	ATGATCCAGA	TAAGAAACCC	CAGGCTAACG	AGTTACAGAC	(SEQ ID NO: 4)
GT	<i>CBD-W</i>	ATTTTACCTG	ATGACCCAGA	TAAGAAACCA	CAGGCAAAGC	AGTTGCAGAC	(SEQ ID NO: 5)

M	<i>CHD-1</i>	CAAAAAACCA	CAAGCAAAAC	AGTTACAGAC	CCGTGCAGAC	TACCTCATCA
C	<i>CHD-1A</i>	CAAGAAAACC	CAGGCAAAGC	AGCTACAGAC	CCGTGCAGAC	TACCTCATTA
C	<i>CHD-W</i>	CAAGAAAACC	CAGGCTAACG	AGTTACAGAC	CCGTGCAGAT	TACCTCATTA
GT	<i>CHD-W</i>	CAAGAAAACCA	CAGGCAAAGC	AGTTGCAGAC	CCGTGCAGAT	TACCTCATTA

M	<i>CBD-1</i>	AACTACTTAG	CAGAGATCTT	GCAAAAAGAG	AGGCTCAGAG	ACTTTGTGGT	GCG
C	<i>CBD-1A</i>	AATTACTGAA	TAAGACCTT	GCAAGAAAAGG	AAGCACAAAG	GCTTGCTGGT	GCA
C	<i>CBD-W</i>	AATTACTGAA	TAAGACCTT	GCAAGAAAAGG	AAGCACAGAG	ACTTGCTGGT	GCA
GT	<i>CBD-W</i>	AATTACTGAA	TAAGACCTT	GCAAGAAAAAG	AAGTGCAGAG	ACTTACTGGT	GCA

M	<i>CHD-1</i>	ILPDDPDKKPQAKQLQTRADYLIKLLSRDLAKREAQRLCGA	(SEQ ID NO: 6)
C	<i>CHD-1A</i>	ILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEAQLAGA	(SEQ ID NO: 7)
C	<i>CHD-W</i>	ILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEAQLAGA	(SEQ ID NO: 8)
GT	<i>CHD-W</i>	ILPDDPDKKPQAKQLQTRADYLIKLLNKDLARKEVQLRTGA	(SEQ ID NO: 9)
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Figure 5.

(SEQ ID NO: 10).

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1 CGGGCTGCGG CACGAAGCGC ACCGCCGGCG CACGCAGGCT CGGGCCGGGG  
 51 AAGGCCTGGC CCGCCGAGCC GGACGCACGC AGGTATTG GCAAAATCT  
 101 TGGCCATCTG TAGAGAATAG CAAGTCAAAC GCATTAATTC GAAAACATAC  
 151 GGAGTACCAAG AAAGGGGATT CTTGACCTAC ACCTTGTAAC CTGAGTGGAC  
 201 TTTCTTTTA ACTTCTTAAT ACTTACAATG AATGGGCACA GTGATGAAGA  
 251 AAGTGTAAAG AACAGCAGTG GAGAGTCAG CAGATCAGAT GATGATTCTG  
 301 GGTCAAGCTTC AGGTTCTGGA TCTGGTCAAG GCTCTGGAAG CAGTAGCGAT  
 351 GGAAGTAGCA GCCAGTCAGG TAGCAGTGCAC TCTGAATCTG GTTCAGAGTC  
 401 AGGCAGTCAA TCCGAATCAG AGTCTGACAC ATCTAGAGAG AAGAAAACAAG  
 451 TTCAAGCTAA ACCTCCGAAA GCTGACGGAT CTGAGTTTG GAAGTCCAGT  
 501 CCAAGCATAAC TTGCTGTACA GAGATCAGCA GTGCTCAAGA AGCAACAGCA  
 551 ACAGCAAAAA GCAGCATCAT CAGACAGTGG TTCAGAAGAG GACTCATCCA  
 601 GTAGTGAAGA TTCTGCCGAT GATTGTCCTA GTGAAACTAA GAAGAAAAAG  
 651 CATAAAAGATG AAGACTGGCA AATGTCAGGG TCAGGGTCAG TATCAGGAAC  
 701 TGGTTCTGAT TCTGAATCGG CGGAGAGATGG GGATAAAAGC AGTTGTGAAG  
 751 AAAGTGAATC TGACTATGAG CCAAAAAACA AAGTGGAAA AAGAGCACAG GACAGAAGAA  
 801 CCAAGCAGAA TTAAGCCAAA AAGTGGAAA AAGAGCACAG GACAGAAGAA  
 851 GAGGCAACTT GATTCATCAG AGGAGGAGGA GGACGATGAT GAAGATTATG  
 901 ATAAGAGAGG ATCTCGTCGC CAGGCAACAG TGAATGTTAG TTACAAAGAA  
 951 GCTGAAGAAA CCAAGACAGA TTCTGATGAT TTGCTGGAAG TTTGTGGAGA  
 1001 GGATGTCCCCA CAGACTGAAG AAGATGAATT TGAAACTATA GAGAAGTTTA  
 1051 TGGACAGTCG ATTGGCCCA AAAGGAGCCA CTGGTGCCTC AACACCACATC  
 1101 TATGCCGTTG AGGCAGATGG TGACCCAAT CCTGGGTTTG AAAAGTCAAA  
 1151 GGAGCTGGGA GAAATACAGT ATCTTATTA ATGGAAAGGC TGGTCACACAA  
 1201 TCCATAACAC TTGGGAAACT GAAGAACAGC TGAAGCAACAA AAATGTTAAA  
 1251 GGAATGAACA AACTGGACAA CTACAGAAA AAGGATCAGG AGACAAAACG  
 1301 CTGGCTGAAA AATGCTTC CAGAAGATGT GGAATATTAT AACTGCCAGC  
 1351 AGGAGCTTAC AGATGATCTG CACAAACAAT ATCAAATAGT GGAAAGAATA  
 1401 ATTGCTCATT CAAATCAAAA GTCAGCAGCT GGTATCCGG ACTACTATTG  
 1451 CAAATGGCAG GGTCTGCCCT ACTCAGAATG TAGCTGGAA GATGGTGCTC  
 1501 TCATTGCCAA AAAGTTTCAG GCACGCATTG ATGAGTATT TAGCAGAAAT  
 1551 CAATCCAAGA CTACTCCCT TAAGGACTGC AAGGTTCTAA AACAGAGACC  
 1601 AAGATTGTT GCACTGAAGA AGCAACCACAT TTACATTGGA GGACATGAAA  
 1651 GTCTGGAGTT AAGAGATTAT CAGTTAAATG GATTGAATTG GCTCGCTCAT  
 1701 TCATGGTGC AAGGAAATAG TTGTATTCTT GCAGATGAAA TGGGTCTGGG  
 1751 TAAAACAATA CAAACAATT CTTTCTGAA CTACCTGTT CATGAACATC  
 1801 AACTGTATGG CCCTTTCTT CTGCCGTGC CACTTCTAC CTTGACATCT  
 1851 TGGCAAAGAG AGATTCAAAC TTGGGCTCCT CAGATGAATG CTGTAGTTA  
 1901 CTTAGGAGAT ATAACCTAGTA GAAATATGAT AAGGACTCAT GAATGGATGC  
 1951 ATCCACAGAC TAAACGATTA AAGTTAACAA TACTTCTGAC GACATATGAA  
 2001 ATTTACTGAA AGGATAAGTC ATTCCCTGGT GGTCTCAATT GGGCATTCT  
 2051 AGGAGTTGAT GAAAGCTCATC GTTTAAAAAA TGATGACTCT CTTCTGTACA  
 2101 GGACCTTAAT AGACTTTAAG TCCAACCACAT GACTTCTGAT TACTGGAAACC  
 2151 CCACTGCAAA ATTCCCTCAA AGAGCTGTGG TCTTTGTTGC ATTTCATCAT  
 2201 GCCAGAAAAA TTTCCCTCCTT GGGAAAGATT TGAGAGGAGG CATGGCAAAG  
 2251 GAAGAGAGTA TGGTTATGCA AGTCTCACA AAGAGCTTGA ACCATTCTTAA  
 2301 CTAAGAAGAG TAAAAAAAGA TGAGGAAAG TCTTTACCTG CTAAGGTTGA  
 2351 ACAAACTCTG AGGATGGAAA TGAGTGCATT GCAGAAGCAA TATTACAAGT  
 2401 GGATTTAAC AAGGAATTAT AAAGCCTCA GTAAAGGTTG AAAAGGCAGT  
 2451 ACCTCAGGCT TTCTGAACAT TATGATGGAA CTTAAGAAGT GTTGTAAACCA  
 2501 TTGCTACCTC ATTAAGCCAC CAGATGATAA TGAAATTCTAT AATAAACAGG  
 2551 AGGCCTTACA GCATTTGATA CGTAGCAGCG GGAAACTAAT CCTTCTGAC  
 2601 AAGCTACTGAA TTGCTCTGCG AGAACGTGGC AACAGAGTTG TGATTTCTC  
 2651 TCAGATGGTG AGGATGCTGG ACATCCTAGC AGAATATCTG AAGTATGCC  
 2701 AGTTCCCTT CCAGAGACTT GATGGATCAA TAAAAGGGAA ATTGAGGAAG  
 2751 CAAGCACTGG ATCATTCTCAA TGCAGAAGGA TCAGAGGATT TCTGTTTTT  
 2801 ACTGTCTACA AGAGCTGGAG GATTAGGTAT TAACTTGGCA TCTGCTGACA  
 2851 CTGTAGTTAT TTTTGATTCT GACTGGAATC CACAGAATGA TCTGCAGGCA  
 2901 CAGGGAGAG CTCATAGAAT TGGACAGAAG AAACAGGTTA ATATTATCAG  
 2951 GCTAGTCACA AAAGGATCAG TAGAAGAAGA TATTCTGAA AGAGCCAAGA



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3001	AGAAGATGGT	GCTAGACCATTAGTAATTTC	AGAGAACGGA	CACGCCAGGA	
3051	AAAAGTGTCA	TGCATACAGGTTCAACTCCA	TCAAGCTCTA	CACCTTTAA	
3101	TAAAGAAGAG	TTATCAGCTATTGTAGGTT	TGGTGTGAG	GAACCTTTA	
3151	AAGAACCTGA	AGGAGAAGAA CAGGAGCCCC	AGGAAATGGA	TATAGATGAA	
3201	ATCTTGAAGA	GAGCTGAAAC TCGGGAAAAT	GAGCCAGGTC	CATTGACTGT	
3251	AGGGGATGAG	TTGCTTCACAGTTCAAGGT	GGCGAACCTT	TCCAATATGG	
3301	ATGAAGATGAA	TATTGAGTTG GAACCAGAAA	GAAATTCAAG	AAATTGGGAA	
3351	GAAATCATCC	CAGAATCCCA ACGGAGAAGG	ATAGAGGAGG	AGGAAAGACA	
3401	AAAAGAACTT	GAAGAAATAT ACATGCTCCC	GAGGATGAGA	AACTGTGCAA	
3451	AACAGATCAG	CTTTAATGGG AGTGAAGGAA	GAGCAGTAG	GAGCAGAAGA	
3501	TATTCTGGAT	CTGATAGTGA TCCCATCACA	GAAAGAAAAC	GGCCAAAAAAA	
3551	GGCTGGAAAGA	CCTCGAACCA TTCTCGAGA	AAATATTTAA	GGATTTAGTG	
3601	ATGCAGAGAT	CAGGCGGTTT ATCAAGAGTT	ACAAGAAATT	TGGTGGCCCT	
3651	CTGGAAAGGT	TAGATGCTGT AGCTAGAGAT	GCTGAACCTGG	TTGATAAAATC	
3701	TGAGACAGAC	CTTAGACGTT TGGGTGAAC	TGTACATAAT	GGATGCATTA	
3751	AGGCTTTAAA	GGACAATTCA TCTGGACAAAG	AAAGAGCAGG	AGGTAGACTT	
3801	GGGAAAGTTA	AAGGCCAAC GTTTCGAATC	TCAGGAGTGC	AGGTGAATGC	
3851	AAAAGTAGTC	ATCTCTCACG AAGAAGAGCT	GGCACCACTG	CACAAATCCA	
3901	TTCCTTCAGA	TCCAGAAGAA AGGAAAAGAT	ATGTCATCCC	ATGCCACACC	
3951	AAGGCTGCGT	ACTTCGATAT AGATTGGGAT	AAAGAAAGATG	ATTCATCT	
4001	GTAGTAGGC	ATCTATGAAT ATGGCTATGG	CAGCTGGAA	ATGATAAAA	
4051	TGGATCCAGA	TCTCAGCTTA ACACAGAAGA	TTTTACCTGA	TGATCCAGAC	
4101	AAGAAACCCC	AGGCAAGCA GCTACAGACC	CGTGCAGACT	ACCTCATTAA	
4151	ATTACTGAAT	AAAGACCTTG CAAGAAAGGA	AGCACAAAGG	CTTGCTGGTG	
4201	CAGGCAATTCA	CAAGAGAAGG AAGACAAGAA	ATAAGAAGAA	TAAGATGAAG	
4251	GCTTCAAAAAA	TAAAAGAAGA ATAAGAAGCT	GATTCTCAC	CACAAACCTC	
4301	AGAAAAATCT	GATGAAGATG ATGAGGAGGA	GGATAACAAG	GTAAATGAAA	
 *** 					
4351	TGAAATCTGA	AAATAAAGAA AAATCTAAAA	AAATTCCATT	GCTGGATACT	
4401	CCAGTTCATCA	TTACTGCAAC CAGTGAACCA	GTTCCTATCT	CAGAAGAAC	
4451	TGAAGAACTC	CATCAGAAGA CATTAGTGT	GTGCAAAGAA	AGAATGAGGC	
4501	CTGTCAAAAGC	AGCACTGAAA CAGCTGGATA	GACCAGAGAA	GGGCTTTCT	
4551	AAAAGGGAGC	AGCTGGAACA TACTAGGCAG	TGTCTAATCA	AAATTGGGAA	
4601	TCACATTACA	GAATGCCGTGA AGGAGTACAC	AAATCCCGAG	CAAATAAAAC	
4651	AGTGGAGGAA	AAATTGTGG ATTTCCTGT	CCAAGTTTAC	AGAATTGAT	
4701	GCCAGAAAGC	TGCACAAACT CTACAAACAT	GCAATCAAAA	AGGCCAAGA	
4751	GTCTCAGCAA	CACAATGACC AAAACATTAG	CAGCAATGTG	AATACACATG	
4801	TAATCAGAAA	TCCAGATGTG GAAAGACTGA	AGGAGACTAC	AAACCATGAT	
4851	GATAGTAGCA	GGGACAGTTA TTCTCTGT	AGACATTAT	CACAATACCA	
4901	TGATCATCAC	AAAGACAGGC ATCAGGGAGA	TGCTTACAAG	AAAAGTACT	
4951	CCAGGAAAG	GCCATATTCA GCCTTCAGTA	ATGGAAAAGA	TCACAGAGAC	
5001	TGGGATCACT	ACAAAACAGGA CAGCAGATAC	TACAGTGATA	GTAACATAG	
5051	AAAGTTAGAT	GACCACAGGA CGAGAGACCA	CAGGTCAAAC	CTGGAGGAA	
5101	ACTTTAAAAGA	CAGCCGGGGT CATTCTAGATC	ACCGCTCCC	TTCAAGACCAC	
5151	AGGATACACT	CAGATCACCG TTCCACTTCA	GAATACAGCC	ATCATAAATC	
5201	TTCGAGAGAT	TATAGATACC ACTCAGACTG	GCAAATGGAC	CACAGAGCTT	
5251	CTGGTAGTGG	CCCGAGGTCA CCACTAGATC	AGAGGTCTCC	TTATGGTTCA	
5301	AGATCTCCCC	TAGGACACAG ATCTCCATT	GAACACTCAT	CAGATCACAA	
5351	AAAGTACACCT	GAACATACAT GGAGTAGCCG	GAAGACATAA	CAAAGACTGA	
5401	CATTTCTGG	ACCTTCTTT TAGCCATATA	CAGTAAACTA	ACACAGTAAT	
5451	TGCCCTTACAT	GACTTGAAAG ATATGGACTG	GATATTCTAT	CAGTAGCAGT	
5501	ATTGTTACTT	CTTCTCAGGA TGCAAGGTCT	ATTATCCAA	CAGAAGAAA	
5551	ATATTTTTGT	ATTTAAAGT TATGCTGCAC	TGTGCTGCAA	ATGTTGTTGC	
5601	ACTTTTTTT	TAAGAAATGG AAGATGTTA	CTTTTACAGG	GACCTCAACA	
5651	CTGCCCCCTT	CAGACTGGAT CTACTATAA	AACTCTCAT	GTCAAAGTGG	
5701	TTCTAGGCTG	AAACACAGATT AAATTATGTT	TGTAATGAA	CACTTAAACA	
5751	CTGACCTGTG	CTTATGTTTC AGGAAAGAAT	GGGGGATTAA	TTTGTTTTA	
5801	TTTCTGGTA	GAGAACCTCTC AAGGACTTTG	TTCACTTCC	AAAGCTACTT	
5851	TTTACATTG	TACACTGCGA CCACCTGCC	GCTTTTCATC	ACAAGCTTGA	
5901	ATATTTAAAT	TCTGTACCTA CAGTTGAAA	ATAGCCAGGA	TTTCTCCTGT	
5951	TTGTGATCAG	TTATAATGCC TTTTTATGAA	ACAAACAAAC	AAACAAAAAA	
6001	CAATTAAAAAA	AAAAAACACA ACAAAACCAA	CAAATGGCTG	AAATTATG	
6051	AAATTAAAT	AAATGAGCTT TTTCCGTCA	GGCTTTTTT	GGCTGTTCC	
6101	TTCCCCAACAA	ACTCAGGCC TCTTTTCA	AAGTCAGTAT	ACTTACATGT	
6151	TTTAATAAAA	TATCTCGATG GAATCAGAAT	GTAAAAATGG	GGAAAGGAAAT	
6201	ATTTTATTC	ATTTAGTGT CTTTTTTTAT	TGGATACTTT	TACATACCTG	
6251	TTTTTGGTTG	TTTTATTTTA TTGTTTTTTT	CTATTAAACT	GTCAGTGTG	
6301	TGATTGTTGT	AAATGACAGT GAGAATATCC	CACTCTAAC	TGTGCCCTGG	
6351	AAAGCTTTTC	AGGTGCATTG GTTAAAAGA	AGGAAGTGT	CTATAGGTGA	



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6401 ACACTTCAAA ACCCAGATCA GCCAAGATTC ATTGTAAATC CATTGGTTT  
6451 CCCTCTTAA CATGGGCAAT AATGTCAAAT GTGCTATGCA GCAGTTAATA  
6501 TTTTAGAAGA TTTGAATGAC TTTATTAACA GAATTGTTAC AATGCACACT  
6551 GATTGTACAT AGATAACTTC TATCTGACAA ATTAAATTAA CTAAAACCAA  
6601 AAAAAACC



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Figure 6.

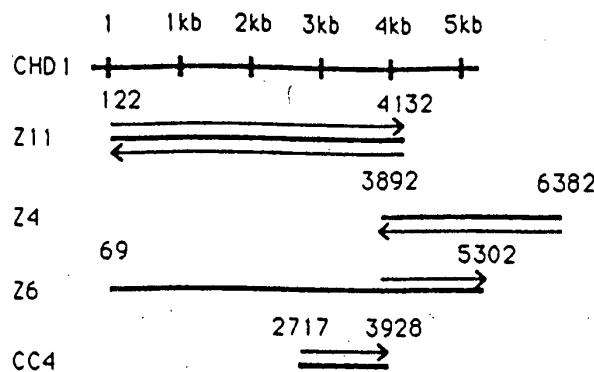


Figure 7.

<i>CHD-1A</i>	D E I V S V K H L H K K I K T E	(SEQ ID NO: 11)
<i>CHD-W</i>	1 GATGAGATTGTTCACTGAAACATCTACATAAAAAAATAAAACAGAAA	(SEQ ID NO: 12)
<i>CHD-1A</i>	K E N E E K P E P D I G I K K E A	
<i>CHD-W</i>	1 GATGGGATTGTTCACTGAAACATCCACATAAAAAAATAAAAGCAGAAA	(SEQ ID NO: 13)
	D G I V S V K H P H K K I K A E	(SEQ ID NO: 14)
<i>CHD-1A</i>	51 AAAGAAAATGAAGAAAAGCCTGAGCCAGATATTGGTATAAGAAGGAAGCT	
<i>CHD-W</i>	51 AAAGAAAATGAAGAAAAGATGAGCCAGAGATTGGTATAAGAAGGAAGCT	
	K E N E E K D E P E I G I K K E A	
<i>CHD-1A</i>	E E K R E T K E K E N K R E L K R	
<i>CHD-W</i>	101 GAAGAAAAAGAGAGACAAAAGAGAAGGAAAATAAGGGAATTGAAAAGG	
	CGAGAAAAAGAGAGACAAAAGAAAAGGAAAATAAGA	
	G E K R E T K E K E N K	
<i>CHD-1A</i>	151 GAGAAAAAGAAAAGAGGATAAGAAGAATTAAAAGAAAAGATAATAAA	
<i>CHD-1A</i>	201 E K R E N K V K E S T Q R E K E V	
	AAAAGAGAGAAAACAAAGTAAAAGAACACAGAAAAGAGAGACTG	
<i>CHD-1A</i>	251 K E E K	
	AAGGAAGAGAAG	



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Figure 8. (SEQ ID NO: 15)

ATTTATCGGC	TAGTCACAAA	AGGATCACTA	GAAGAAGATA	TTCTTGAAAG	ACCCAAGAAA	AAGATGGTGT	TAGATCATTT
10	20	30	40	50	60	70	80
ACTGATTCAAG	AGAATGGACA	CCACAGGGAA	AACTGTACTA	CATACAGGCT	CTACTCCCTTC	AAGCTCAACA	CCTTTTAATA
90	100	110	120	130	140	150	160
AGGAAGAGTT	ATCAGCAATT	TTGAAGTTTG	GTGCTGAGGA	ACTTTTTAAA	GAACCTGAAN	NNGAAGAAGA	GGAGCCTCAG
170	180	190	200	210	220	230	240
GAGATGGATA	TAGATGAAAT	CCTGAAGAAG	NCTGAAACTC	GAGAAAATGA	GTCAGGCCA	TTAACTGTAG	GAGATGAGTT
250	260	270	280	290	300	310	320
ACTTTCACAG	TTCAAGGTA	CTAACCTTTC	CAATATGGAT	GAAGATGACA	TTGAATTGGA	ACCAGAACAA	AATCTAAGAA
330	340	350	360	370	380	390	400
ACTGGGAAGA	AATCATTCGA	GAAGTTCACT	GGCGAOGAAT	AGAGGGNNNG	GAAGAACAAA	AAGAACTTGA	AGAAATATAT
410	420	430	440	450	460	470	480
ATGCTTCCAA	GAATGAGAAA	CTGTGCAA	CAGATCAGCT	TTAATGGAAA	TGAAGGGAGA	TGCACTAGGA	CCAGAAGATA
490	500	510	520	530	540	550	560
TTCTGGATCT	GATAGTGATT	CCATCTCAGA	AAGAAAACGA	CCAAAAAAAC	GTGGACGACC	ACGAACATTATT	CCCCGTGAAA
570	580	590	600	610	620	630	640
ACATTAAGG	ATTTAGTGAT	GCAGAGATTA	GACGGATTTAT	CAAGAGTTAC	AAGAAAATTTG	GTGGCCCAGT	TGAAAGGTTA
650	660	670	680	690	700	710	720
GATGCTATAG	CTAGAGATGC	TGAGCTAGTT	GATAAACTG	AAACAGACCT	TAGACGTCTG	GGAGAACTTG	TACATAATGG
730	740	750	760	770	780	790	800
ATGCATTAAG	GCTTTAAATG	ATAATGACTT	TGGTCAAGGA	AGAACAGGTG	GTAGATTTGG	GAAGTTAAA	GGCCCAACAT
810	820	830	840	850	860	870	880
TCCGAATAGC	AGGAGTGCAG	GTGAATCCAA	AGCTAGTCAT	TTCTCACGAA	GAAGAGTTGG	CACCATGGCA	AAATCGATT
890	900	910	920	930	940	950	960
CCTTCAGATC	CAGAAGAAG	GAAGAGATAT	GTCACTCCAT	ACCCACCCAA	ACCAAGCTCAT	TTTGATATAG	ATTGGGGTAA
970	980	990	1000	1010	1020	1030	1040
AGAAGATGAT	TCCAATCTGT	TAATAGGCAT	CTATGAATAT	GGTTATGGCA	GTGGGGAAAT	GATAAAAATG	GATCCTGATC
1050	1060	1070	1080	1090	1100	1110	1120
TCAGTTGAC	ACAGAAGATT	TTACCTGATG	ATCCAGATAA	GAACACCCAG	GCTAAGCACT	TACAGACTCG	TCCAGATTAC
1130	1140	1150	1160	1170	1180	1190	1200
CTCATTAAAT	TACTGAATAA	AGACCTTCGA	AGAAAGGAAG	CACAGAGACT	TGCTGGTCAA	GGCAATTCAA	AGAGGAGAAA
1210	1220	1230	1240	1250	1260	1270	1280
AAACAAGAAGT	AAGAAGATAA	AAGCAACAAA	GGCTGC				
1290	1300	1310					

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Figure 9.



C CBD-1A DARRYLGKNLGHL\*RIASQTHYFENIRSTRKGILDLELVT\*VDFLPNPLLLTNGHSDEE (SEQ ID NO: 16)  
M CBD-1 FALCPFTQREPQEERCRKTFIEILIFEICIHLLIGDPCFINFLIFTNGHSDEE (SEQ ID NO: 17)  
\*\*\*\*\*  
  
C CBD-1A SVRNSSGESSRSDDDSAGSASGSAGSGSSGSSDGSSSQGSSDSESGSESGSQSESED  
M CBD-1 SVRNGSESSQSGDD-CGSASGSAGSGSSGSSDGSSSQGSSDSDGSDSGSQSESED  
\*\*\*\*\*  
  
C CBD-1A TSREKKQVQAKPPKADGSEFWKSSPSILAVQRSAVLJKQOOO---QKAASSDSGSEEDSS  
M CBD-1 TSRENK-VQAKPPKVDGAEFWKSSPSILAVQRSAMLRKQPOQAQOORPASSNSGSEEDSS  
\*\*\*\*\*  
  
C CBD-1A SSESDSADDSSSETKKKKERDEDWQMSGSGSVSGTGSDSESAEDGDKSSCEEZSDYEPKN  
M CBD-1 SSEDS-DDSSSGAKRKKEHEDDWQMSGSGSPSQLGSDSEZEERDKSSCDGTESDYEPKN  
\*\*\*\*\*  
  
C CBD-1A KVKSRAKPPSRIPKSGKKSTGQKKRQLDSSEEEEDDDDEDYDKRGSRQATVNVSYKEAZZ  
M CBD-1 KVRSRKPNRSKSKNGKKILQKKRQIDSSEDEDDDEDYDNDKRSRQATVNVSYKEDEE  
\*\*\*\*\*  
  
C CBD-1A TKTDSDDLLEVCGEDVPQTEDEFETIERTFMDSRIGRKGATGASTTIYAVEADGDPNAGF  
M CBD-1 MKTDSDLLEVCGEDVPQPEDEFETIERVMDCRVGRKGATGATTIYAVEADGDPNAGF  
\*\*\*\*\*  
  
C CBD-1A KTKXEGI QYLI IKWKGWSHIEHTWE TEETLQONJRGMKLDNYKKKDQE TKRWLKNAS  
M CBD-1 EKSKEGEI QYLI IKWKGWSHIEHTWE TEETLQONJGMKLDNYKKKDQE TKRWLKNAS  
ERNKEPSDI QYLI IKWKGWSHIEHTWE TEETLQONJRGMKLDNYKKKDQE TKRWLKNAS  
\*\*\*\*\*  
  
HUMAN PEDVEYYNCQQELTDDLEKQYQIVERTNXSPOSTKSAAGYP (SEQ ID NO: 18)  
C CBD-1A PEDVEYYNCQQELTDDLEKQYQIVERI LAHSNQSKAAGYPDYCKWGLPYSEC SWEDGA  
M CBD-1 PEDVEYYNCQQELTDDLEKQYQIVERI LAHSNQSKAAGLPDYCKWGLPYSEC SWEDGA  
\*\*\*\*\*  
  
C CBD-1A LIAKKQARIDEYSRNQSKTTPFKDCVKLQPRFVALKKOPSYIGGHZSLERDYQLN  
M CBD-1 LISKKQTCIDEYSRNQSKTTPFKDCVKLQPRFVALKKOPSYIGGHZGLELRDYQLN  
\*\*\*\*\*  
  
C CBD-1A GLNWLAHSWCKGNSCILADEMGLGKTIQTISFLNYLFHEBOLYGPFLRVPLSTLTWSQR  
M CBD-1 GLNWLAHSWCKGNSCILADEMGLGKTIQTISFLNYLFHEBOLYGPFLUVPLSTLTWSQR  
\*\*\*\*\*  
  
C CBD-1A EIQTWAPQMNAYYVLGDISRSNMIRTHEWMHPQTKRLKFNI LTTYEILLKDKSFLGGLN  
M CBD-1 EIQTWAPQMNAYYVLGDISRSNMIRTHEWMHPQTKRLKFNI LTTYEILLKDKAFLGGLN  
\*\*\*\*\*  
  
C CBD-1A WAFIGVDEAHLKNDDSLLYRTLIDFKSNHRLITGTPLQNSLKEWLSSLPIMPEKFSS  
M CBD-1 WAFIGVDEAHLKNDDSLLYRTLIDFKSNHRLITGTPLQNSLKEWLSSLPIMPEKFSS  
\*\*\*\*\*  
  
C CBD-1A WEDFEZEHGKGREYGYASLKELEPFLRRVKDKVEKSLPAKVEQILRMEMSAHQYK  
M CBD-1 WEDFEZEHGKGREYGYASLKELEPFLRRVKDKVEKSLPAKVEQILRMEMSAHQYK  
\*\*\*\*\*  
  
C CBD-1A WILTRNYKALSKGSRGSTSGPLNIMMELUKCCNHCYLIKPPDDNEFYNKQEAQHLIRSS  
M CBD-1 WILTRNYKALSKGSRGSTSGPLNIMMELUKCCNHCYLIKPPDNNEFYNKQEAQHLIRSS  
\*\*\*\*\*  
  
C CBD-1A GKLILLDRILLRLRERGNRVLIFPSQVMRMLDILAELKYRQFPPQRLDGSIKGE LRQAL  
M CBD-1 GKLILLDRILLRLRERGNRVLIFPSQVMRMLDILAELKYRQFPPQRLDGSIKGE LRQAL  
\*\*\*\*\*



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C CHD-1A  
M CHD-1

DEFNAEGSEDFCFLSTRAGGLGINLASADTVVIPDSDNPQNDLQAQARAERIGQQKQV  
DEFNAEGSEDFCFLSTRAGGLGINLASADTVVIPDSDNPQNDLQAQARAERIGQQKQV  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

-IYRLVTKGVEEDILERAKKKVLDLHVORMDTTGKTVLTGSTPSSSTPPNKEELSA  
NIYRLVTKGVEEDILERAKKKVLDLHVORMDTTGKTVLTGAPSSSTPPNKEELSA  
NIYRLVTKGVEEDILERAKKKVLDLHVORMDTTGKTVLTGSTPSSSTPPNKEELSA  
\*\*\*\*\*

(SEQ ID NO: 19)

C CHD-W  
C CHD-1A  
M CHD-1

ILKFGAEELFKEPEXEPEEEQEMDIDEILKRAETRENESGPLTVGDBELLSQFKVANTSNM  
ILKFGAEELFKEPEGEZQEPQEMDIDEILKRAETRENEPGPLSVGDELLSQFKVANTSNM  
ILKFGAEELFKEPEGEZQEPQEMDIDEILKRAETRENEPGPLTVGDBELLSQFKVANTSNM  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

DEDDIELEPEQNLRNWEIIIPFQWRRRIEGXERQKELEEZYMLPRMRNCARDISPNNEG  
DEDDIELEPERNSRNWEIIIPFQRRRLEEEERQKELEEZYMLPRMRNCARDISPNSEG  
DEDDIELEPERNSRNWEIIIPFQSRRIEEERQKELEEZYMLPRMRNCARDISPNSEG  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

RCSRSPRRSGSDSDSISERKPKRGRPRTIIPRENIGFSDAEIRRIFKSYKKPGGVER  
RRSRSPRRSGSDSDSISERKPKRGRGRPRTIIPRENIGFSDAEIRRIFKSYKKPGGVER  
RRSRSPRRSGSDSDSITERKPKRGRGRPRTIIPRENIGFSDAEIRRIFKSYKKPGGVER  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

LDAALARDAELVDKSETDLRRLGEVENGCIALNDNDFOQGRGTGGRPGVKGPTRLAGV  
LDAALARDAELVDKSETDLRRLGEVENGCIALNDNDFOQGRGTGGRPGVKGPTRLAGV  
LDAVARDAELVDKSETDLRRLGEVENGCIALNDNDFOQGRGTGGRPGVKGPTRLAGV  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

QVNAKLVISHEEEALPLEKSIPSIDPPEERKRYVIPYHTKAHHFDIDWGRDDSNNLLIGIYE  
QVNAKLVIAHEDELIPLEKSIPSIDPPEERKQTIPCHTKAAHFDFIDWGRDDSNNLLIGIYE  
QVNAKLVISHEEEALPLEKSIPSIDPPEERKRYVIPCHTKAAHFDFIDWGRDDSNNLLVGVIYE  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

YGYGSWEMIKMDPDLSLTQKILPDDPDKKPAQKQLQTRADYLIKLNLDRALARKEAQLAG  
YGYGSWEMIKMDPDLSLTQKILPDDPDKKPAQKQLQTRADYLIKLNLDRALARKEAQLAG  
YGYGSWEMIKMDPDLSLTQKILPDDPDKKPAQKQLQTRADYLIKLNLDRALARKEAQLAG  
\*\*\*\*\*

C CHD-W  
C CHD-1A  
M CHD-1

AGNSKRRKTRSKRKONKATKAA  
AGNSKRRKTRARKSKAMKSIVKREEIKSDSSPLPSEKSDEDDEDD---KLNDSPKESKDRS  
AGNSKRRKTRRKONK-MKASKIKEIKSDSPQPSKSESKDEDDEEDNKVNEMKSENKEKS  
\*\*\*\*\*

C CHD-1A  
M CHD-1

KRSVVSDAPEVITASGEPVPIAEESEZELDKTFISICKMRPVKAALKQLDRPEKGLSER  
KRPILLDTPVBEITATSEKPVPIESEZEELHQTFSVCKMRPVKAALKQLDRPEKGLSER  
\*\*\*\*\*

C CHD-1A  
M CHD-1

EOLBETRQCLIKIGDHITECLKEYSNPEQIKQWRKLNWIFVSKTFDARKLERLYKHAI  
EOLBETRQCLIKIGDHITECLKEYTNPEQIKQWRKLNWIFVSKTFDARKLERLYKHAI  
\*\*\*\*\*

C CHD-1A  
M CHD-1

KKRQESQONSDON-SNVATTHEVIRNPDMERLKENTINHDDSSRDSYSSDRHLSQYHDEHED  
KKRQESQONSDONISSNVNTHVIRNPDMERLKENTINHDDSSRDSYSSDRHLSQYHDEHED  
\*\*\*\*\*

C CHD-1A  
M CHD-1

RHQGDSYKSDSRKRPYSSPSNGKDREWDHYRQDSRYYSDREKRLDDRSREHRPSL  
RHQGDAYKSDSRKRPYSAPSNGKDREWDHYRQDSRYYSDS-KERKLLDDRSRDRSRL  
\*\*\*\*\*

C CHD-1A  
M CHD-1

ECGLKD-RCHSDRSRHSDERMESDERSTPSTIINPPRDRYRSLDWQLDERAASSGPRSP  
ECGLKDSDRSRHSDERMESDERSTSEYSHKSSRDYRHSWQMDHERASGSGPRSP  
\*\*\*\*\*

C CHD-1A  
M CHD-1

LDQSPYGSRSP-----FEHSAEHRSTPBTWSSRKTQKLMSSLSSGTLXP  
LDQSPYGSRSPLGERSPPEHSSDEKSTPBTWSSRKTQKLMSSLSSGTLXP  
\*\*\*\*\*

C CHD-1A  
C CHD-1A  
C CHD-1A  
C CHD-1A  
C CHD-1A  
C CHD-1A  
C CHD-1A

LTXLERYGLDILSVAVLILSRMOGLLSQQQKNIIVVFKVYAALCCCGTFLRNRCRLL  
LQGPQBCPFQTSYKTLLEVKKVLGXQIKLCLXMMXTLTCAYVSGKNGCPILFYPFLVB  
NSCGLCSLSKATCLBCTLRPPCRSSQAXIFKFCITYSCKLARISPVCDQLXCLPMQTNK  
QTKIKKNTTKPTNQCKLLIXNMSSFFPSGFWLFLSPPTQAPPQSQYTMYMPXDNISME  
SECKNGEZNILPELVILLFWILLETCFLWYTFIPPFYXTVSVVIVVANSENIPLXTVWNK  
AFQVHMFRRKCSIGEFKTOISQDSLXILHPSLFNMGNVKCAMQQLIPXXIXMTLLTE  
LLOCTLIVRXLSDKLNXLICPKT

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Figure 10.

55 KPPKADGSEFWKSSPSILAVQRSAVLKKQQQQQKAASSDSGSEEDSSSSE 104 (SEQ ID NO: 20)  
2654 MAAKDISTEVLQN.PELYGLRRS...HRAAAHQONYFNDSDDDED...E 2695 (SEQ ID NO: 21)  
105 DSADDSSSETKKKHKDEDWQMSGSGSVSGSDSESAEDGDKSSCEESE 154  
2696 DNIKQSRRKRMTTIEDDED.....EFEDEEGEEDSGEDEDEEDFEEDD 2738  
155 SDYEPKNKVKSRSRPPSRIPKPKSGKSTGQKKRQLDSSEEEDDEDYDKR 204  
2739 DYYGSPIKQNRSKPKSRTKS SKSKPKSQSEKQSTVZIP.....TRF 2780  
205 GSRRQATVNVSYKEAEETKTDSDDLLE....VCGEDVPQT....EEDEFE 246  
2781 SNRQNKTVNYYNIDYSDDLLESEDDYGESEALSEENVHEASANPQPEDFH 2830  
247 TIEKFMDSRIGRKATGASTTIYAVEADGDPNAGFEKSKELGEIQYLIKW 296  
2831 GIDIVINERL.....KTSLEEGVKLEKTVPDLNCKE..NYEFLIKW 2870  
297 KGWSHIBNTWETEETLKGQNVGMNKLDNYKKK...DQETKRWLKNASPE 343  
2871 TDESHLBNTWETYESIGQ..VRGLKRLDNYCQFIIEDQQVRLDPYVTAE 2918  
344 DVEYYNCQQELTDOLHKQYQIVERIIA..HSNQKSAAGYPDYCKWQGLP 391  
2919 DIEIMDMERERRLDEFEEFHVPERIIDSQRASLEDGTSQLQYLVWKWRRLN 2968  
392 YSEC SWEDGALIAKKFQARIDEYFSRNQSKTPFKDCKVLQPRPRFVALK 441  
2969 YDEATWENATDIVKLAPEQVKBFQNRRENSKILPOYSSNYTSQRPRFEKLS 3018  
442 KQPSYIGGHESLELRDYQLNGLNWLASHWCKGNSCILAEMGLGKTIQTI 491  
3019 VQPPFIKGG...ELRDFQLTGINWMAFLWSKGNDNGILADEMGLGKTVQTV 3065  
492 SFLNYLFHEHQLYGPFLRVPLSTLTSWQREIQTWAQMNNAVYLGDIS 541  
3066 AFISWLIFARRQNGPHIIVVPLSTMPAWLDTFEKWAPDLNCICYMGNQKS 3115  
542 RNMIRTHEW....MEPQTKLKFNFNILLTYEILLKDKSFLGGLNWAFIGV 587  
3116 RDTIREYEFTNPRAKGKTMKFNVLLTYEYILKDRaelgsikwqfmaV 3165  
588 DEAHRLKNDSSLLYRTLIDFKSNHRLLITGTPLOQNSLKEWLSSLLHFIMPE 637  
3166 DEAHRLKNAESSLYESLNSPKVANMLITGTPLOQNNIKEALAALVNPLMPG 3215  
638 KPSSWEDFE.EEHGKGREYGYASLHKELEPFLRRVKKDVEKSLPAKVEQ 686  
3216 RFTIDQEIDFENQDEEQEEYIHDLHRRRIQPFILRRLKDVKSLSKTER 3265  
687 ILRMEMSALQKQYYKWLTRNYKALSKGSKGSTSGFLNIMMELKKCCNHC 736  
3266 ILRVELSDVQTEYYKNILTKNYSALTAGAKGGEFSLLNIMNELKKASNBP 3315  
737 YLIKPPDDNEF.....YNKQEALQBLIRSSGKLILLDKLLIRLRERGN 779  
3316 YLPDNAEERVLQKFGDGKMTRENVLRLGLIMSSGKVMLLDQLLTRLKKDGB 3365



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780 RVLIFSQMVRMLDILAEYLKYRQFFQRLDGSIKGELRKQALDFNAEGS 829  
3366 RVLIFSQMVRMLDILGDYLSIKGINFQRLDGTVPSAQRRISIDHFNSPDS 3415  
830 EDFCFLLSTRAGGLGINLASADTVVIFDSDWNPQNDLQAQARAHRIQKK 879  
3416 NDFVFLLSTRAGGLGINLMTADTVVIFDSDWNPQADLQAMARAHRIGQKN 3465  
880 QVNLYRLVTKGSVEEDILERAKKMKVLDLVIQRMDDTGTVLBTGSTPS 929  
3466 BVMVYRLVSKDTVEEEVLERARKMILEYAIISLGVTDGNKYTCKNEP.. 3513  
930 SSTPFNKEELSAILKFGAEZLFKEPEGEEQEPQEMDIDEILKRAETRENE 979  
3514 ....NAGELSAILKFGAGNMFTATD.NQKKLEDLNLDVLNHAEDHVT 3557  
980 PG...PLTVGDELLSQFKVANFSNMDEDIELEPERNSRNWEIIIPESQR 1026  
3558 PDLGESHLGEEFLKQFEVTDY.....KADIDWDDIIPPEEL 3594  
1027 RRIEEERQKELEE....IYMLPRMRNCAKQI..SFNGSE..... 1060  
3595 KKLQDEEQRKRDEEVKEQLEMMNRRDNALKKIKNSVNGDTAANSDSDD 3644  
1061 ..GRRRSRSRRYSGSDSDSITERKPKRGRPRTIPIR.ENIKGFSD...AE 1104  
3645 DSTSRSSRRRARANDMSIGE...SEVRALYKAILKFGNLKEILDELIAD 3691  
1105 IRRPIKSYKKPGGLERLDAVARDA.....ELVDKSETDLRRLGEL 1145  
3692 GTLPVKSFELYGETYDEMMEAACKDCVHEEEKNRKEILEKLEKHATAYRAK 3741  
1146 VHNGCIKALKD.NSSGOERAGGRGLGVKGPTFRISGVQ.VNAKLVISHEE 1193  
3742 LKSGEIKAENQPKDNPLTRLSLKKREKKAVLFNFKGKVSLNAESLLSRVE 3791  
1194 ELAPLHKSIPSD.PEERKRYVIPCCTKAA..BFDIDWGKEDDSNLLVGIY 1240  
3792 DLKYLKLNLTINSNYKDDPLKFSLGNNTPKPVQNWNSSNWTKEDEKLLIGVP 3841  
1241 EYGYGSWEMIRKMDPDLSTQKILPDD..... 1266  
3842 KYGYGSWTQIRDDPFLGITDKIFLNEVNPVAKSASSSDTTPSKKGK 3891  
1267 ....PDKRPQAKQLQTRADYLKLLNKDLARK.....EAORLAGAGNS 1305  
3892 GITGSSKKVPGAIHLGRRVDYLLSFLRGGLNTKSPSADIGSKKLPTGPSK 3941  
1306 KRRKTRNKKNMKASKIKEEIKSDSSPOPSEKSDDEE..EDNKVNEM 1352  
3942 KRQRKPANEKSMTPEITSSEPANGPPSKRMKALPKGPAALINNTRLSPN 3991  
1353 KSENKEKSKKIPLLDTPVHITATSEPVPISEESEELHQKTFSVCKERMRP 1402  
3992 SPTPPLKSKVSRDNGTR....QSSNPSSSGSAHKEYDSMDEEDCRHTMSA 4037  
1403 VKAALKQLDRPEKGLSEREQUEHTRQCLIKIGDHITECLKEYTNPEQIKQ 1452  
4038 IRTSLKRLRGGKSLDRKEWAKILKTELTTIGNBI.ESQKGSSRKASPEK 4086  
1453 WRKNLWIFVSKP..TEFDARKLHKLXBAIKKRQESQQ 1488  
4087 YRKEWLWSYSANFWPADVKSTKLMAMY....DKITESQK 4120



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Figure 11.

CCHD	AVEAD	GDPNAGFEKSKELG. IQYLIKWKGWSHIBNTWETEET	LKQQNVGMNKLDNYKK (SEQ ID NO: 22)
MCHD	AVEAD	GDPNAGFERNKEPGD. IQYLIKWKGWSHIBNTWETEET	LKQQNVRGNKLDNYKK (SEQ ID NO: 23)
YCHD	EGKVL	EKTVPDLNNE..N.YEFLIKWTDESHLBNNTWETYES	IGQ..VRGLKRLDNYCK (SEQ ID NO: 24)
*****			
DHP1	EEEEEE	YAVEKIIIDRRVRKGK. VEYYLKWKGYPETENTWEPEENN	LDCQDLIQQY (SEQ ID NO: 25)
BHP1	EDEEE	YVVEKVLDRRVVKGKQVEYLLKWKGFSEEEENTWEPEKN	LDCPELISEF (SEQ ID NO: 26)
MMOD1	EEEEEE	YVVEKVLDRRVVKGK. VEYLLKWKGSDEDNTWEPEEN	LDCPDLIAEF (SEQ ID NO: 27)
MMOD2	AEPEE	FVVERVLDRRVVNGK. VEYFLKWKGFTDADNTWEPEEN	LDCPELIEDF (SEQ ID NO: 28)
*****			
DPC	PVDLV	YAAEKIIIQKRVKKGV. VEYRVWKGNQRYNTWEPEENN	ILDRRLIDIY (SEQ ID NO: 29)
MMOD3	VGEQV	FAAECILSKRLRKKGK. LEYLVWRGWSSKENSWEPEEN	ILDPRLLLAF (SEQ ID NO: 30)
*****			



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Figure 14.

MOUSE	CBD1	AGA TAT TCT GGA TCT GAT AGT GAT TCA ATC TCG GAA	(SEQ ID NO: 31)
CHICKEN	CBD-1A	--- --- --- --- --- C --- C --- A-A ---	(SEQ ID NO: 32)
SPIX	CBD-1A	C --- C --- --- ---	(SEQ ID NO: 33)
CHICKEN	CBD-W	--- --- --- --- --- C --- A ---	(SEQ ID NO: 34)
SPIX	CBD-W	C --- C --- A ---	(SEQ ID NO: 35)
HYACINTH	CBD-W	--- --- --- --- C --- C --- A ---	(SEQ ID NO: 36)
P1		A TAT TCT GGA TCT GAT AGT GAY TC	(SEQ ID NO: 37)
P3		AGA TAT TCC GGA TCT GAT AGT GA	(SEQ ID NO: 38)
MOUSE	CBD1	AGG AAA CGG CGG AAG AAA CGT GGG CGA CCC CGC ACT	
CHICKEN	CBD-1A	--A --- --- A --A --G --- --A A-- --T --A --C	
SPIX	CBD-1A	--- --- --- A --A --G --- --A A-- --A --A ---	
CHICKEN	CBD-W	--A --- --A --A --A --- --- --A --- --A --A ---	
SPIX	CBD-W	--A --- --A --A -GA --- --- --A --- --A --A ---	
HYACINTH	CBD-W	--A --- --A --A -GA --- --- --A --- --A --A ---	
MOUSE	CBD1	ATC CCT CGG GAG AAT ATT AAA GGA TTT AGT GAT GCG GAG	
CHICKEN	CBD-1A	--T --- --A --A --- --- --- --- --- A ---	
SPIX	CBD-1A	--T --- --A --A --- --- A	
CHICKEN	CBD-W	--T --C --T --A --C --- --- --- --- A ---	
SPIX	CBD-W	--T --- --T --A --- --- --- --- --- ---	
P2		TTT CCT AAA TCG CTA CGT CT (SEQ ID NO: 39)	
HYACINTH	CBD-W	---	
HYACINTH	CBD-W	ATT AGG CGG T	